UNDP

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DEVELOPMENT
PROGRAMME

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APPROVAL OF UNDP ASSISTANCE TO A PROJECT OF EGYPT

IPF:(1987-91) $39 432 000

(EGY/86/007) - Remote Sensing Application to Agriculture (Phase II)

Date of approval:	November 1986
Expected duration:	Five years
Proposed executing agency:	Food and Agriculture Organization of the United Nations
Government implementing agency:	Ministry of Agriculture and Land Reclamation (MOA)
Proposed UNDP contribution:	$508 100 Source of funds: IPF
Government cost sharing:	Nil
Third-party cost sharing:	Nil
Previous UNDP contribution:	Nil
Total UNDP budget:	$508 100

Project background

The Ministry of Agriculture and Land Reclamation in Egypt (MOA) is responsible for vertical and horizontal expansion. Tremendous efforts are presently exerted to protect cultivated areas from sand and urban encroachment, deterioration and desertification. It is noted that application of modern remote sensing techniques can significantly speed up the process of national resources inventory and facilitate their systematic updating, as well as increase agricultural production through the solution of specific problems. Under the first phase of the project a Remote Sensing Unit was built. To improve technical operations and agriculture production, UNDP assistance was further requested.

Description of project

The immediate objectives of the project are to: (a) upgrade and expand the technical capabilities and operational facilities of the new unit which were mainly centered on soil survey mapping during phase I; (b) focus on additional and new areas such as quantitative estimation of crop acreage, early detection of plant diseases and monitoring of the desertification phenomena; and (c) engage twinning agreements with reputable international institutions such as the Remote Sensing Centre in Boston.

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Inputs

UNDP will provide consultants on digital image analysis (one man-month), digital image analysis - crop area estimation (one man-month), technical review (two weeks), UNDP project evaluation, crop area estimation, image interpretation and analysis - desertification and urbanization (one man-month), software development and installation (one week); fellowships for study in crop area estimation (two), image processing and pattern recognition (two); in-service training for 15 national professionals on digital image analysis techniques and their applications; equipment; and miscellaneous costs.

Financial data

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Personnel	169 100
Subcontract	50 100
Training	97 800
Equipment	178 200
Miscellaneous	12 900
Total	508 100

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